

Dhaval Prajapati

Full Stack Developer | AI/ML Enthusiast | IoT Developer

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github.com/DhavalMCA · LinkedIn · Portfolio

Professional Summary

Motivated MCA student with hands-on experience in full-stack web development, AI/ML applications, and IoT systems. Skilled in building scalable, user-friendly applications using PHP, Python, and JavaScript. Strong problem-solving mindset with the ability to develop real-world solutions. Seeking an entry-level Full Stack Developer role to apply technical skills and contribute to impactful projects.

Technical Skills

Frontend: HTML5, CSS3, JavaScript (ES6+), Bootstrap

Backend: PHP, Python, Flask

Database: MySQL, SQLite

AI/ML & Computer Vision: OpenCV, scikit-learn, NumPy

IoT & Embedded Systems: Arduino UNO, IR Sensors, LCD, I2C

Tools & Technologies: Git, GitHub, VS Code, XAMPP, Linux (Kali)

Projects

AI Workout & Diet Planner

Python, Flask, scikit-learn, Groq API

- Built an AI-based system generating personalized diet and workout plans from user health inputs using NLP and external API integration
- Applied BMI, BMR, and TDEE calculations; designed a responsive Flask interface for enhanced user experience

Face Recognition Attendance System

Python, Flask, OpenCV, SQLite

- Developed a real-time face recognition system to automate student attendance tracking with efficient database logging
- Built a secure admin dashboard for managing and reviewing attendance records, reducing manual dependency

StudentConnect+ Collaborative Platform

PHP, MySQL, JavaScript, HTML/CSS

- Engineered a full-stack web application for student collaboration featuring user authentication, role-based access control, and task management
- Designed a structured relational database for efficient academic resource sharing and data handling

Movie Ticket Management System

PHP, MySQL, Bootstrap

- Created a web-based ticket booking platform with dynamic seat selection, CRUD operations, and an admin panel for show management

IoT Car Speed Detector

Arduino UNO, IR Sensors, LCD, I2C

- Designed a hardware system using dual IR sensor logic to accurately calculate vehicle speed and display results on an LCD via I2C

Education

LJ University

Master of Computer Applications (MCA)

Ahmedabad, Gujarat

2024 - 2026

KSV University

Bachelor of Computer Applications (BCA)

Gujarat

2019 - 2022

Soft Skills

- Analytical Thinking & Problem Solving
- Effective Communication & Teamwork
- Quick Learner of New Technologies
- Attention to Detail & Structured Thinking
- Adaptability in Dynamic Environments

Additional

Digital Marketing (Learning): SEO fundamentals, keyword research, on-page optimization, content strategy, and technical SEO leveraging web development knowledge

Languages: English, Hindi, Gujarati